

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: October 30, 2004, 18:38:33 ; Search time 380. Seconds

(without alignments)
8608.974 Million cell updates/sec

Title: US-09-743-690-10

Perfect score: 638

Sequencing: 1 cctccgtccgcgggca.....cgggtgccggacctcgcc 638

Scoring table:

IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 3413475 seqs, 2563800928 residues

Total number of hits satisfying chosen parameters: 6826950

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
- 10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
- 13: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
- 14: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
- 15: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
- 16: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq:*
- 17: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq:*
- 18: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
- 19: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq:*
- 20: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 21: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	638	100.0	638	14	US-10-013-173-1
2	638	100.0	638	15	US-10-150-762-1
3	638	100.0	638	15	US-10-244-821-1
4	486.6	76.3	1239	14	US-10-013-173-5
5	486.6	76.3	1239	15	US-10-150-762-5
6	486.6	76.3	1239	15	US-10-244-821-5
7	486.6	76.3	1280	14	US/10/013
8	486.6	76.3	1280	15	US/10/150
9	486.6	76.3	1280	15	US/10/244
10	486.6	76.3	1371	15	US-10-244-821-87
11	486.6	76.3	1467	14	US-10-013-173-48
12	486.6	76.3	1467	15	US-10-150-762-48

13	486.6	76.3	1467	15	US-10-244-821-48	Sequence 48, Appli
14	486.6	76.3	1614	14	US-10-013-173-3	Sequence 3, Appli
15	486.6	76.3	1614	15	US-10-150-762-3	Sequence 3, Appli
16	486.6	76.3	1614	15	US-10-244-821-3	Sequence 3, Appli
17	477	74.8	1266	9	US-09-938-270B-2	Sequence 2, Appli
18	374.4	58.7	384	17	US-10-332-733-34	Sequence 34, Appli
19	374.4	58.7	1173	15	US-10-075-947A-4	Sequence 4, Appli
20	374.4	58.7	1176	15	US-10-075-947A-3	Sequence 3, Appli
21	370.6	58.1	1566	15	US-10-312-245-6	Sequence 6, Appli
22	369	57.8	1266	15	US-10-312-245-3	Sequence 3, Appli
23	369	57.8	1329	15	US-10-312-245-4	Sequence 4, Appli
24	369	57.8	1395	15	US-10-312-245-5	Sequence 5, Appli
25	369	57.8	1542	15	US-10-312-245-2	Sequence 2, Appli
26	368.8	57.8	1247	15	US-10-312-245-1	Sequence 1, Appli
27	354	55.5	354	15	US-10-285-876-6	Sequence 6, Appli
28	357	48.1	498	9	US-09-117-447-7	Sequence 7, Appli
29	74.6	11.7	5877	14	US-10-152-886-54	Sequence 54, Appli
30	72.8	11.4	1785	16	US-10-282-122A-28213	Sequence 28213, A
31	70.4	11.0	1458	15	US-10-369-493-42392	Sequence 42392, A
32	70	11.0	1612	17	US-10-437-963-102480	Sequence 102480,
33	68.4	10.7	3331	10	US-09-373-658-31	Sequence 31, Appli
34	68.4	10.7	3331	11	US-09-989-687-31	Sequence 31, Appli
35	68	10.7	1920	15	US-10-228-063-59	Sequence 59, Appli
36	67.8	10.6	678	17	US-10-437-963-37129	Sequence 37129, A
37	67.8	10.6	1248	18	US-10-481-179-11	Sequence 11, Appli
38	67.8	10.6	80557	15	US-10-080-170-647	Sequence 647, App
39	67.8	10.6	80557	17	US-10-080-170-647	Sequence 647, App
40	67.8	10.6	80557	18	US-10-468-356-647	Sequence 647, App
41	67	10.5	459	17	US-10-733-031-1	Sequence 1, Appli
42	67	10.5	2377	16	US-10-425-114-31041	Sequence 31041, A
43	66	10.3	1425	15	US-10-156-761-5271	Sequence 5271, Ap
44	66	10.3	9025608	15	US-10-156-761-1	Sequence 1, Appli
45	65.8	10.3	3300	9	US-09-379-931-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1

US-10-013-173-1
; Sequence 1, Application US/10013173
; Publication No. US20030095977A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen C.
; APPLICANT: Graves, Scott Stoll
; APPLICANT: Schultz, Joanne Elaine
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James A.
; APPLICANT: Reno, Jonh M.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND METHODS OF USE THEREOF
; FILE REFERENCE: 690022.547C1
; CURRENT APPLICATION NUMBER: US/10/013,173
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 638
; TYPE: DNA
; ORGANISM: Streptomyces avidinii
US-10-013-173-1

Query Match	100.0%	Score 638;	DB 14;	Length 638;
Best Local Similarity	100.0%;	Pred. No. 3.8e-161;		
Matches 638;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	CCCTCCGTCGCCGCGGCAACAACATAGGAGTATTTTCGTCTCACAATGCGCAAGAT	60	
Db	1	CCCTCCGTCGCCGCGGCAACAACATAGGAGTATTTTCGTCTCACAATGCGCAAGAT	60	
QY	61	CGTCGTTCCAGCCATCGCCGTTTCCCTGACCAACCGTCTCGATTACGGCCAGCGTTCGGC	120	
Db	61	CGTCGTTCCAGCCATCGCCGTTTCCCTGACCAACCGTCTCGATTACGGCCAGCGTTCGGC	120	

121 AGACCCCTCCAGGACTCGAAGGCCCGAGTCTCGGCGCGCGAGCGCGGATCACCGGCAC 180
121 AGACCCCTCCAGGACTCGAAGGCCCGAGTCTCGGCGCGCGAGCGCGGATCACCGGCAC 180
181 CTGGTACAAACAGCTCGGCTCGGCTTCTATCGTACCGCGCGCGCGAGCGCGGCTTGCAC 240
181 CTGGTACAAACAGCTCGGCTCGGCTTCTATCGTACCGCGCGCGAGCGCGGCTTGCAC 240
241 CGGAACCTACGAGTCGCGCGCTCGGCAACCGCGAGCGCGCTACGTCCTGACCGGTCGTTA 300
241 CGGAACCTACGAGTCGCGCGCTCGGCAACCGCGAGCGCGCTACGTCCTGACCGGTCGTTA 300
301 CGACAGCG 360
301 CGACAGCG 360
361 GAATAACTACCGCAACCG 420
361 GAATAACTACCGCAACCG 420
421 CGAGCGGAGGATCAACACCG 480
421 CGAGCGGAGGATCAACACCG 480
481 GAAGTCCACCGCTGGTGGCG 540
481 GAAGTCCACCGCTGGTGGCG 540
541 CGACCG 600
541 CGACCG 600
601 GTCCGCTCCCGGCG 638
601 GTCCGCTCCCGGCG 638

RESULT 2

US-10-150-762-1
; Sequence 1, Application US/10150762
; Publication No. US20030103948A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen C.
; APPLICANT: Graves, Scott S.
; APPLICANT: Schultz, Joanne E.
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James A.
; APPLICANT: Reno, John M.
; APPLICANT: Dearsy, Erica A.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 690022.547C2
; CURRENT APPLICATION NUMBER: US/10/150.762
; CURRENT FILING DATE: 2002-05-17
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 638
; TYPE: DNA
; ORGANISM: Streptomyces avidinii
US-10-150-762-1

Query Match 100.0%; Score 638; DB 15; Length 638;
Best Local Similarity 100.0%; Pred. No. 3.8e-161;
Matches 638; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 CCCTCCGTCCTCCCG 60
1 CCCTCCGTCCTCCCG 60
61 CGTCGTTCCAGCCATCGCGCTTCCCTGACCAAGGCTCTCGATTACGCGCGCGCGCGCGCG 120

61 CGTCGTTCCAGCCATCGCGCTTCCCTGACCAAGGCTCTCGATTACGCGCGCGCGCGCGCG 120
121 AGACCCCTCCAGGACTCGAAGGCCCGAGTCTCGGCGCGCGAGCGCGGATCACCGGCAC 180
121 AGACCCCTCCAGGACTCGAAGGCCCGAGTCTCGGCGCGCGAGCGCGGATCACCGGCAC 180
181 CTGGTACAAACAGCTCGGCTCGGCTTCTATCGTACCGCGCGCGAGCGCGGCTTGCAC 240
181 CTGGTACAAACAGCTCGGCTCGGCTTCTATCGTACCGCGCGCGAGCGCGGCTTGCAC 240
241 CGGAACCTACGAGTCGCGCGCTCGGCAACCGCGAGCGCGCTACGTCCTGACCGGTCGTTA 300
241 CGGAACCTACGAGTCGCGCGCTCGGCAACCGCGAGCGCGCTACGTCCTGACCGGTCGTTA 300
301 CGACAGCG 360
301 CGACAGCG 360
361 GAATAACTACCGCAACCG 420
361 GAATAACTACCGCAACCG 420
421 CGAGCGGAGGATCAACACCG 480
421 CGAGCGGAGGATCAACACCG 480
481 GAAGTCCACCGCTGGTGGCG 540
481 GAAGTCCACCGCTGGTGGCG 540
541 CGACCG 600
541 CGACCG 600
601 GTCCGCTCCCGGCG 638
601 GTCCGCTCCCGGCG 638

RESULT 3

US-10-244-821-1
; Sequence 1, Application US/10244821
; Publication No. US2003014323A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen Charles
; APPLICANT: Graves, Scott Stoll
; APPLICANT: Schultz, Joanne Elaine
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James Allen
; APPLICANT: Reno, John M.
; APPLICANT: Dearsy, Erica A.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 690022.547C3
; CURRENT APPLICATION NUMBER: US/10/244.821
; CURRENT FILING DATE: 2002-09-16
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 638
; TYPE: DNA
; ORGANISM: Streptomyces avidinii
US-10-244-821-1

Query Match 100.0%; Score 638; DB 15; Length 638;
Best Local Similarity 100.0%; Pred. No. 3.8e-161;
Matches 638; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 CCCTCCGTCCTCCCG 60
1 CCCTCCGTCCTCCCG 60
61 CGTCGTTCCAGCCATCGCGCTTCCCTGACCAAGGCTCTCGATTACGCGCGCGCGCGCGCG 120

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Db 61 CGTCGTTGACGATCGCGGTTTCCTGACACAGTCTCGATTACGGCCAGCGTTCGGC 120
Qy 121 AGACCCCTCCAGGACTCGAAAGGCCAGGTCTCGGCCCGCCAGGCCGCGCATCACCGGCAC 180
Db 121 AGACCCCTCCAGGACTCGAAAGGCCAGGTCTCGGCCCGCCAGGCCGCGCATCACCGGCAC 180
Qy 181 CTGGTACCAACAGCTCGGCTCGACTTCATCGTACCGCGGGCGCCGACGCGCCCTGAC 240
Db 181 CTGGTACCAACAGCTCGGCTCGACTTCATCGTACCGCGGGCGCCGACGCGCCCTGAC 240
Qy 241 CGAAACCTTACGAGTCGGCGCTCGGCAACCGCCGAGAGCGCTACGTCCTGACCGGTGTTA 300
Db 241 CGAAACCTTACGAGTCGGCGCTCGGCAACCGCCGAGAGCGCTACGTCCTGACCGGTGTTA 300
Qy 301 CGACAGCGCCCGCCGACCGAGCGGAGCGGCACCGCCCTCGTGGAGCGGTGGGCTGGAA 360
Db 301 CGACAGCGCCCGCCGACCGAGCGGAGCGGCACCGCCCTCGTGGAGCGGTGGGCTGGAA 360
Qy 361 GAATAAATACCGCAACGCCCACTCCGGACACACCTGGAGCGGCCAGTACGTCGGCGGCG 420
Db 361 GAATAAATACCGCAACGCCCACTCCGGACACACCTGGAGCGGCCAGTACGTCGGCGGCG 420
Qy 421 CGAGCGAGGATCAACACCGAGTGGTGTGAOCTTCGGGACACACCGAGGCCAACGCGTG 480
Db 421 CGAGCGAGGATCAACACCGAGTGGTGTGAOCTTCGGGACACACCGAGGCCAACGCGTG 480
Qy 481 GAAGTCCAGCGTGTGCGGCAGACACCTTACCAAGGTGAAGCGGTCGCGCCCTCCAT 540
Db 481 GAAGTCCAGCGTGTGCGGCAGACACCTTACCAAGGTGAAGCGGTCGCGCCCTCCAT 540
Qy 541 CGACGCGGGAAGAGCGCGGTCAACAAAGCGCAACCGCTCGAGCGCCGTTGAGCAGTA 600
Db 541 CGACGCGGGAAGAGCGCGGTCAACAAAGCGCAACCGCTCGAGCGCCGTTGAGCAGTA 600
Qy 601 GTCGCTCCGCGACCGCGGCTGCGGAGCCTCGGCC 638
Db 601 GTCGCTCCGCGACCGCGGCTGCGGAGCCTCGGCC 638
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RESULT 4

US-10-013-173-5

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; Sequence 5, Application US/10013173
; Publication No. US2003009597A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen C.
; APPLICANT: Graves, Scott Stoll
; APPLICANT: Schultz, Joanne Elaine
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James A.
; APPLICANT: Reno, John M.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
; FILE REFERENCE: 690022.547C1
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1239
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: B9E9 single chain antibody-genomic streptavidin fusion
US-10-013-173-5
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Query Match 76.3%; Score 486.6; DB 14; Length 1239;
Best Local Similarity 98.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Qy 100 GATTACGGCCAGCGCTTCGGCAGACCCCTCCAAAGGACTCGAAGGCCAGGTCTCGGCCGC 159
Db 738 GAGCTCTGGCTCTGGTTCGGCAGACCCCTCCAAAGGACTCGAAGGCCAGGTCTCGGCCGC 797
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Qy 160 CGAGGCGCGCATCACCGGCACCTGGTACAAACAGACTCGGCTCGACCTTCATCGTGACCG 219
Db 798 CGAGGCGCGCATCACCGGCACCTGGTACAAACAGACTCGGCTCGACCTTCATCGTGACCG 857
Qy 220 GGGCGCGGACCGCGCCCTGACCGGAACTTACAGTGGCCGTCGGCAACCGCGAGAGCG 279
Db 858 GGGCGCGGACCGCGCCCTGACCGGAACTTACAGTGGCCGTCGGCAACCGCGAGAGCG 917
Qy 280 CTAGTCTCTGACCGGTCGTTAGACAGCGCCCGGCCACCGAGCGGCGCACCGCCCT 339
Db 918 CTAGTCTCTGACCGGTCGTTAGACAGCGCCCGGCCACCGAGCGGCGCACCGCCCT 977
Qy 340 CGGTTGGACGGTGGCTTGAAGAATAACTACCGCAACCGCCACTCCGGACCACTGGGAG 399
Db 978 CGGTTGGACGGTGGCTTGAAGAATAACTACCGCAACCGCCACTCCGGACCACTGGGAG 1037
Qy 400 CGGCCAGTACGTCGGCGCGCGGCGGAGGATCAACACCGAGTGGCTGCTGACCTCGG 459
Db 1038 CGGCCAGTACGTCGGCGCGCGGCGGAGGATCAACACCGAGTGGCTGCTGACCTCGG 1097
Qy 460 CACCAACCGAGGCAACCGCTGGAAGTCCACGCTGGTGGCCACAGCACCTTCAACCAAGT 519
Db 1098 CACCAACCGAGGCAACCGCTGGAAGTCCACGCTGGTGGCCACAGCACCTTCAACCAAGT 1157
Qy 520 GAAGCGTCCGCGGCTCCATCGACGCGCGGAGGAGCGCGGCTCAACACCGGCAACCC 579
Db 1158 GAAGCGTCCGCGGCTCCATCGACGCGCGGAGGAGCGCGGCTCAACACCGGCAACCC 1217
Qy 580 GCTCGACGCGCTTCAGCAGTA 600
Db 1218 GCTCGACGCGCTTCAGCAGTA 1238
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RESULT 5

US-10-150-762-5

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; Sequence 5, Application US/10150762
; Publication No. US20030103948A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen C.
; APPLICANT: Graves, Scott S.
; APPLICANT: Schultz, Joanne E.
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James A.
; APPLICANT: Reno, John M.
; APPLICANT: Dearstyne, Erica A.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
; FILE REFERENCE: 690022.547C2
; CURRENT FILING DATE: 2002-05-17
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1239
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: B9E9 single chain antibody-genomic streptavidin fusion
US-10-150-762-5
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Query Match 76.3%; Score 486.6; DB 15; Length 1239;
Best Local Similarity 98.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
```

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Qy 100 GATTACGGCCAGCGCTTCGGCAGACCCCTCCAAAGGACTCGAAGGCCAGGTCTCGGCCGC 159
Db 738 GAGCTCTGGCTCTGGTTCGGCAGACCCCTCCAAAGGACTCGAAGGCCAGGTCTCGGCCGC 797
Qy 160 CGAGGCGCGCATCACCGGCGACCTCGTACAAACAGACTCGGCTCGACCTTCATCGTGACCG 219
Db 798 CGAGGCGCGCATCACCGGCGACCTCGTACAAACAGACTCGGCTCGACCTTCATCGTGACCG 857
```

```
QY 220 GGCGCGGACGGCGCCCTGACCGGAACCTACAGTCGGCCGCTCGGACCGCGGAGCGG 279
Db 858 GGCGCGCGGACGGCGCCCTGACCGGAACCTACAGTCGGCCGCTCGGACCGCGGAGCGG 917
QY 280 CTACGTCCTGACCGGTCGTTACGACAGCGCCCGGCCACCGGACGCGGCGGCGCCCT 339
Db 918 CTACGTCCTGACCGGTCGTTACGACAGCGCCCGGCCACCGGACGCGGCGGCGCCCT 977
QY 340 CGGTTGACCGGTCGTCGGAAGAATAACTACCGAAACGCGCCACTCTCGGACCAACGTCGGAG 399
Db 978 CGGTTGACCGGTCGTCGGAAGAATAACTACCGAAACGCGCCACTCTCGGACCAACGTCGGAG 1037
QY 400 CGGTTGACCGGTCGTCGGAAGAATAACTACCGAAACGCGCCACTCTCGGACCAACGTCGGAG 459
Db 978 CGGTTGACCGGTCGTCGGAAGAATAACTACCGAAACGCGCCACTCTCGGACCAACGTCGGAG 1037
QY 460 CACACCGAGGCGCAACGCTTGGAGATCACTACCGAAACGCGCCACTCTCGGACCAACGTCGGAG 519
Db 1038 CACACCGAGGCGCAACGCTTGGAGATCACTACCGAAACGCGCCACTCTCGGACCAACGTCGGAG 1037
QY 400 CGGTCAGTACGTCGGCGGCGCCGAGGAGGATCAACACCGAGGATCAACACCGAGTGGCTGACCTCCGG 459
Db 1038 CGGTCAGTACGTCGGCGGCGCCGAGGAGGATCAACACCGAGGATCAACACCGAGTGGCTGACCTCCGG 1097
QY 460 CACACCGAGGCGCAACGCTTGGAGATCACTACCGAAACGCGCCACTCTCGGACCAACGTCGGAG 519
Db 1098 CACACCGAGGCGCAACGCTTGGAGATCACTACCGAAACGCGCCACTCTCGGACCAACGTCGGAG 1157
QY 520 GAAGCGTCGCGGCTCCATCGACGGCGGAAGAGCGGCGTCAACAAACGGCAACCC 579
Db 1158 GAAGCGTCGCGGCTCCATCGACGGCGGAAGAGCGGCGTCAACAAACGGCAACCC 1217
QY 580 GCTCGACCGCGTTCCAGCAGTA 600
Db 1218 GCTCGACCGCGTTCCAGCAGTA 1238

RESULT 6
US-10-244-821-5
; Sequence 5, Application US/10244821
; Publication No. US20030143233A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen Charles
; APPLICANT: Graves, Scott Stoll
; APPLICANT: Schultz, Joanne Elaine
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James Allen
; APPLICANT: Reno, John M.
; APPLICANT: Dearstyne, Erica A.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
; FILE REFERENCE: 690022.547C3
; CURRENT FILING DATE: 2002-09-16
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1239
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: B9E9 single chain antibody-genomic streptavidin fusion
US-10-244-821-5

Query Match 76.3%; Score 486.6; DB 15; Length 1239;
Best Local Similarity 98.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 100 GATTACGCGCAGCGCTTCGGCAGACCCCTCCAAAGACTCGAAGGCCCGCAGGTCTCGGCGCG 159
Db 738 GAGCTCTGGCTCTGGTTCGGCAGACCCCTCCAAAGACTCGAAGGCCCGCAGGTCTCGGCGCG 797
QY 160 CGAGCGCGGATCACCGGACCTGTGTACAAACAGCTCGGCTCGACCTTCATCTGTCGCGC 219
Db 798 CGAGCGCGGATCACCGGACCTGTGTACAAACAGCTCGGCTCGACCTTCATCTGTCGCGC 857
QY 220 GGGCGCGGACGGCGCCCTGACCGGAACCTACAGTCGGCGCGTTCGCGAACCGCGAGAGCGG 279
Db 858 GGGCGCGGACGGCGCCCTGACCGGAACCTACAGTCGGCGCGTTCGCGAACCGCGAGAGCGG 917
QY 280 CTACGTCCTGACCGGTCGTTACGACAGCGCCCGGCCACCGGACCGCGGCGGCGCT 339
```

```
Db 918 CTACGTCCTGACCGGTCGTTACGACAGCGCCCGGCCACCGGACCGCGGAGCGGCGCT 977
QY 340 CGGTTGACCGGTCGTCGGAAGAATAACTACCGAAACGCGCCACTCTCGGACCAACGTCGGAG 399
Db 978 CGGTTGACCGGTCGTCGGAAGAATAACTACCGAAACGCGCCACTCTCGGACCAACGTCGGAG 1037
QY 400 CGGTCAGTACGTCGGCGGCGCCGAGGAGGATCAACACCGAGGATCAACACCGAGTGGCTGACCTCCGG 459
Db 1038 CGGTCAGTACGTCGGCGGCGCCGAGGAGGATCAACACCGAGGATCAACACCGAGTGGCTGACCTCCGG 1097
QY 460 CACACCGAGGCGCAACGCTTGGAGATCACTACCGAAACGCGCCACTCTCGGACCAACGTCGGAG 519
Db 1098 CACACCGAGGCGCAACGCTTGGAGATCACTACCGAAACGCGCCACTCTCGGACCAACGTCGGAG 1157
QY 520 GAAGCGTCGCGGCTCCATCGACGGCGGAAGAGCGGCGTCAACAAACGGCAACCC 579
Db 1158 GAAGCGTCGCGGCTCCATCGACGGCGGAAGAGCGGCGTCAACAAACGGCAACCC 1217
QY 580 GCTCGACCGCGTTCCAGCAGTA 600
Db 1218 GCTCGACCGCGTTCCAGCAGTA 1238

RESULT 7
US/10/013
; Sequence 7, Application US/10013173
; Publication No. US20030095977A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen C.
; APPLICANT: Graves, Scott Stoll
; APPLICANT: Schultz, Joanne Elaine
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James A.
; APPLICANT: Reno, John M.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
; FILE REFERENCE: 690022.547C1
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 1280
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: B9E9 single chain antibody-genomic streptavidin fusion construct
US/10/013,173-7

Query Match 76.3%; Score 486.6; DB 14; Length 1280;
Best Local Similarity 98.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 100 GATTACGCGCAGCGCTTCGGCAGACCCCTCCAAAGACTCGAAGGCCCGCAGGTCTCGGCGCG 159
Db 773 GAGCTCTGGCTCTGGTTCGGCAGACCCCTCCAAAGACTCGAAGGCCCGCAGGTCTCGGCGCG 832
QY 160 CGAGCGCGGATCACCGGACCTGTGTACAAACAGCTCGGCTCGACCTTCATCTGTCGCGC 219
Db 833 CGAGCGCGGATCACCGGACCTGTGTACAAACAGCTCGGCTCGACCTTCATCTGTCGCGC 892
QY 220 GGGCGCGGACGGCGCCCTGACCGGAACCTACAGTCGGCGCGTTCGCGAACCGCGAGAGCGG 279
Db 893 GGGCGCGGACGGCGCCCTGACCGGAACCTACAGTCGGCGCGTTCGCGAACCGCGAGAGCGG 952
QY 280 CTACGTCCTGACCGGTCGTTACGACAGCGCCCGGCCACCGGACCGCGGCGGCGCT 339
Db 953 CTACGTCCTGACCGGTCGTTACGACAGCGCCCGGCCACCGGACCGCGGCGGCGCT 1012
QY 340 CGGTTGACCGGTCGTCGGAAGAATAACTACCGAAACGCGCCACTCTCGGACCAACGTCGGAG 399
Db 1013 CGGTTGACCGGTCGTCGGAAGAATAACTACCGAAACGCGCCACTCTCGGACCAACGTCGGAG 1072
```

QY 400 CGGCCAGTACCTCGGCGCGCGGAGGCGAGGATCAACACCCAGTGGCTGTGACCTCCGG 459
DB 1073 CGGCCAGTACCTCGGCGCGCGGAGGCGAGGATCAACACCCAGTGGCTGTGACCTCCGG 1132
QY 460 CACCACCGAGGCCAACCGCTCGAAAGTCCAGCTGGTGGGCCACGACACCTTCCACCAAGGT 519
DB 1133 CACCACCGAGGCCAACCGCTCGAAAGTCCAGCTGGTGGGCCACGACACCTTCCACCAAGGT 1192
QY 520 GAAGCCGTCCGCCCTCCATCGACGGGGGAGAGCGCGGTCAACAAACGGCAACC 579
DB 1193 GAAGCCGTCCGCCCTCCATCGACGGGGGAGAGCGCGGTCAACAAACGGCAACC 1252
QY 580 GCTCGACGCCGTTTCAGCAGTA 600
DB 1253 GCTCGACGCCGTTTCAGCAGTA 1273

RESULT 8

US/10/150

; Sequence 7, Application US/10150762

; Publication No. US20030103948A1

; GENERAL INFORMATION:

; APPLICANT: Goshorn, Stephen C.

; APPLICANT: Graves, Scott S.

; APPLICANT: Schultz, Joanne E.

; APPLICANT: Lin, Yukang

; APPLICANT: Sanderson, James A.

; APPLICANT: Reno, John M.

; APPLICANT: Dearstynne, Erica A.

; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND

; FILE REFERENCE: 690022.547C2

; CURRENT FILING DATE: 2002-05-17

; NUMBER OF SEQ ID NOS: 90

; SOFTWARE: Fast-Seq for Windows Version 4.0

; SEQ ID NO 7

; LENGTH: 1280

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: B9E9 single chain antibody-genomic streptavidin fusion construct

US/10/150,762-7

Query Match 76.3%; Score 486.6; DB 15; Length 1280;

Best Local Similarity 98.2%; Pred. No. 1.2e-120;

Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 100 GATTACGGCCAGCGCTTCGGCAGACCCCTCCAGGACTCGAAGGCCAGGTCTCGGCCGC 159
DB 773 GAGCTCTGGCTCTGGTTCGGCAGACCCCTCCAGGACTCGAAGGCCAGGTCTCGGCCGC 832
QY 160 CGAGGCGCGGATCACCGGCACCTGTGTACAAACAGCTCGGCTCGACCTTCATCGTACCGC 219
DB 833 CGAGGCGCGGATCACCGGCACCTGTGTACAAACAGCTCGGCTCGACCTTCATCGTACCGC 892
QY 220 GGGCGCGGATCACCGGCACCTGTGTACAAACAGCTCGGCTCGACCTTCATCGTACCGC 279
DB 893 GGGCGCGGATCACCGGCACCTGTGTACAAACAGCTCGGCTCGACCTTCATCGTACCGC 952
QY 280 CTACGTCTGTACCGGCTGTGTACAGACAGCGCCCGGCCACCGACGGCAGCGGACCGCCT 339
DB 893 GGGCGCGGATCACCGGCACCTGTGTACAAACAGCTCGGCTCGACCTTCATCGTACCGC 952
QY 340 CGGTTGGACGGTGGCGCTGGAGAAATACTACCGCAAGCCCACTCCGGACCACTGGAG 399
DB 1013 CGGTTGGACGGTGGCGCTGGAGAAATACTACCGCAAGCCCACTCCGGACCACTGGAG 1072
QY 400 CGGTTGGACGGTGGCGCTGGAGAAATACTACCGCAAGCCCACTCCGGACCACTGGAG 459
DB 1073 CGGTTGGACGGTGGCGCTGGAGAAATACTACCGCAAGCCCACTCCGGACCACTGGAG 1132
QY 460 CGGCCAGTACCTCGGCGCGCGGAGGCGAGGATCAACACCCAGTGGCTGTGACCTCCGG 519
DB 1073 CGGCCAGTACCTCGGCGCGCGGAGGCGAGGATCAACACCCAGTGGCTGTGACCTCCGG 1192

QY 460 CACCACCGAGGCCAACCGCTCGAAAGTCCAGCTGGTGGGCCACGACACCTTCCACCAAGGT 519
DB 1133 CACCACCGAGGCCAACCGCTCGAAAGTCCAGCTGGTGGGCCACGACACCTTCCACCAAGGT 1192
QY 520 GAAGCCGTCCGCCCTCCATCGACGGGGGAGAGCGCGGTCAACAAACGGCAACC 579
DB 1193 GAAGCCGTCCGCCCTCCATCGACGGGGGAGAGCGCGGTCAACAAACGGCAACC 1252
QY 580 GCTCGACGCCGTTTCAGCAGTA 600
DB 1253 GCTCGACGCCGTTTCAGCAGTA 1273

RESULT 9

US/10/244

; Sequence 7, Application US/10244821

; Publication No. US20030143233A1

; GENERAL INFORMATION:

; APPLICANT: Goshorn, Stephen Charles

; APPLICANT: Graves, Scott Stoll

; APPLICANT: Schultz, Joanne Elaine

; APPLICANT: Lin, Yukang

; APPLICANT: Sanderson, James Allen

; APPLICANT: Reno, John M.

; APPLICANT: Dearstynne, Erica A.

; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND

; FILE REFERENCE: 690022.547C3

; CURRENT FILING DATE: 2002-09-16

; NUMBER OF SEQ ID NOS: 92

; SOFTWARE: Fast-Seq for Windows Version 4.0

; SEQ ID NO 7

; LENGTH: 1280

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: B9E9 single chain antibody-genomic streptavidin fusion construct

US/10/244,821-7

Query Match

Best Local Similarity 76.3%; Score 486.6; DB 15; Length 1280;

Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 100 GATTACGGCCAGCGCTTCGGCAGACCCCTCCAGGACTCGAAGGCCAGGTCTCGGCCGC 159
DB 773 GAGCTCTGGCTCTGGTTCGGCAGACCCCTCCAGGACTCGAAGGCCAGGTCTCGGCCGC 832
QY 160 CGAGGCGCGGATCACCGGCACCTGTGTACAAACAGCTCGGCTCGACCTTCATCGTACCGC 219
DB 833 CGAGGCGCGGATCACCGGCACCTGTGTACAAACAGCTCGGCTCGACCTTCATCGTACCGC 892
QY 220 GGGCGCGGATCACCGGCACCTGTGTACAAACAGCTCGGCTCGACCTTCATCGTACCGC 279
DB 893 GGGCGCGGATCACCGGCACCTGTGTACAAACAGCTCGGCTCGACCTTCATCGTACCGC 952
QY 280 CTACGTCTGTACCGGCTGTGTACAGACAGCGCCCGGCCACCGACGGCAGCGGACCGCCT 339
DB 953 CTACGTCTGTACCGGCTGTGTACAGACAGCGCCCGGCCACCGACGGCAGCGGACCGCCT 1012
QY 340 CGGTTGGACGGTGGCGCTGGAGAAATACTACCGCAAGCCCACTCCGGACCACTGGAG 399
DB 1013 CGGTTGGACGGTGGCGCTGGAGAAATACTACCGCAAGCCCACTCCGGACCACTGGAG 1072
QY 400 CGGCCAGTACCTCGGCGCGCGGAGGCGAGGATCAACACCCAGTGGCTGTGACCTCCGG 459
DB 1073 CGGCCAGTACCTCGGCGCGCGGAGGCGAGGATCAACACCCAGTGGCTGTGACCTCCGG 1132
QY 460 CACCACCGAGGCCAACCGCTCGAAAGTCCAGCTGGTGGGCCACGACACCTTCCACCAAGGT 519
DB 1133 CACCACCGAGGCCAACCGCTCGAAAGTCCAGCTGGTGGGCCACGACACCTTCCACCAAGGT 1192
QY 520 GAAGCCGTCCGCCCTCCATCGACGGGGGAGAGCGCGGTCAACAAACGGCAACC 579

Db 1193 GAAGCGCTCGCGCGCTCCATCGACGCGGGAAGAGCGCGCGTCAACACGGAACCC 1252
QY 580 GCTCGAGCGGTTCAGCAGTA 600
Db 1253 GCTCGAGCGGTTCAGCAGTA 1273

RESULT 10
US-10-244-821-87
; Sequence 87, Application US/10244821
; Publication No. US20030143233A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen Charles
; APPLICANT: Graves, Scott Stoll
; APPLICANT: Schultz, Joanne Elaine
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James Allen
; APPLICANT: Reno, John M.
; APPLICANT: Dearstyn, Erica A.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 690022.547C3
; CURRENT APPLICATION NUMBER: US/10/244,821
; CURRENT FILING DATE: 2002-09-16
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 87
; LENGTH: 1371
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-244-821-87

Query Match 76.3%; Score 486.6; DB 15; Length 1371;
Best Local Similarity 98.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 100 GATTACGGCCAGCGCTTCGGCAGACCCCTCCAGGACTCGAAGGCCAGGTCTCGGCCGC 159
Db 870 GAGCTCTGGCTCTGGTTTCGGCAGACCCCTCCAGGACTCGAAGGCCAGGTCTCGGCCGC 929
QY 160 CGAGCGCGGATACACCGGACCTGGTACAAACGAGTCTGACCTTCATCGTGACCGC 219
Db 930 CGAGCGCGGATACACCGGACCTGGTACAAACGAGTCTGACCTTCATCGTGACCGC 989
QY 220 GGGCGCGAGCGCGCCCTGACCGAACCTACGAGTGGCGCTCGGCAACCGCGAGAGCG 279
Db 990 GGGCGCGAGCGCGCCCTGACCGAACCTACGAGTGGCGCTCGGCAACCGCGAGAGCG 1049
QY 280 CTAGCTCTGACCGGTCTGTTACGACGCGCCCGGCCACCGAGCGGCGACCGCCCT 339
Db 1050 CTAGCTCTGACCGGTCTGTTACGACGCGCCCGGCCACCGAGCGGCGACCGCCCT 1109
QY 340 CGGTTGACGCGTGGCTGGAGATTAACCGCAACCGCCACTCCGCGACACGCTGGAG 399
Db 1110 CGGTTGACGCGTGGCTGGAGATTAACCGCAACCGCCACTCCGCGACACGCTGGAG 1169
QY 400 CGGCGAGTACGTCGGCGCGCGCGAGGAGGATCAACACCCAGTGGTGTGACCTCCGG 459
Db 1170 CGGCGAGTACGTCGGCGCGCGCGAGGAGGATCAACACCCAGTGGTGTGACCTCCGG 1229
QY 460 CACACCGAGCGCAACCGCTGGAGTCAACGCTGGTGGCGCAGACACCTTACCAAGGT 519
Db 1230 CACACCGAGCGCAACCGCTGGAGTCAACGCTGGTGGCGCAGACACCTTACCAAGGT 1289
QY 520 GAAGCGGTCCGCGCCCTCCATCGACGCGCGCGGAAGAGCGCGGTCAACACCGCAACCC 579
Db 1290 GAAGCGGTCCGCGCCCTCCATCGACGCGCGCGGAAGAGCGCGGTCAACACCGCAACCC 1349
QY 580 GCTCGACCGCTTCAGCAGTA 600
Db 1350 GCTCGACCGCTTCAGCAGTA 1370

RESULT 11
US-10-013-173-48
; Sequence 48, Application US/10013173
; Publication No. US20030095977A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen C.
; APPLICANT: Graves, Scott Stoll
; APPLICANT: Schultz, Joanne Elaine
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James A.
; APPLICANT: Reno, John M.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 690022.547C1
; CURRENT APPLICATION NUMBER: US/10/013,173
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 48
; LENGTH: 1467
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: CC49 single chain antibody-genomic streptavidin
; OTHER INFORMATION: fusion sequence
US-10-013-173-48

Query Match 76.3%; Score 486.6; DB 14; Length 1467;
Best Local Similarity 98.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 100 GATTACGGCCAGCGCTTCGGCAGACCCCTCCAGGACTCGAAGGCCAGGTCTCGGCCGC 159
Db 894 GAGCTCTGGCTCTGGTTTCGGCAGACCCCTCCAGGACTCGAAGGCCAGGTCTCGGCCGC 953
QY 160 CGAGCGCGGATACACCGGACCTGGTACAAACGAGTCTGACCTTCATCGTGACCGC 219
Db 954 CGAGCGCGGATACACCGGACCTGGTACAAACGAGTCTGACCTTCATCGTGACCGC 1013
QY 220 GGGCGCGAGCGCGCCCTGACCGAACCTACGAGTGGCGCTCGGCAACCGCGAGAGCG 279
Db 1014 GGGCGCGAGCGCGCCCTGACCGAACCTACGAGTGGCGCTCGGCAACCGCGAGAGCG 1073
QY 280 CTAGCTCTGACCGGTCTGTTACGACGCGCCCGGCCACCGAGCGGCGACCGCCCT 339
Db 1074 CTAGCTCTGACCGGTCTGTTACGACGCGCCCGGCCACCGAGCGGCGACCGCCCT 1133
QY 340 CGGTTGACGCGTGGCTGGAGATTAACCGCAACCGCCACTCCGCGACACGCTGGAG 399
Db 1134 CGGTTGACGCGTGGCTGGAGATTAACCGCAACCGCCACTCCGCGACACGCTGGAG 1193
QY 400 CGGCGAGTACGTCGGCGCGCGCGAGGAGGATCAACACCCAGTGGTGTGACCTCCGG 459
Db 1194 CGGCGAGTACGTCGGCGCGCGCGAGGAGGATCAACACCCAGTGGTGTGACCTCCGG 1253
QY 460 CACACCGAGCGCAACCGCTGGAGTCCAGCTGGTGGCGCAGACACCTTACCAAGGT 519
Db 1254 CACACCGAGCGCAACCGCTGGAGTCCAGCTGGTGGCGCAGACACCTTACCAAGGT 1313
QY 520 GAAGCGGTCCGCGCCCTCCATCGACGCGCGCGGAAGAGCGCGGTCAACACCGCAACCC 579
Db 1314 GAAGCGGTCCGCGCCCTCCATCGACGCGCGCGGAAGAGCGCGGTCAACACCGCAACCC 1373
QY 580 GCTCGACCGCTTCAGCAGTA 600
Db 1374 GCTCGACCGCTTCAGCAGTA 1394

RESULT 12
US-10-150-762-48
; Sequence 48, Application US/10150762
; Publication No. US20030103948A1

GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen C.
; APPLICANT: Graves, Scott S.
; APPLICANT: Schultz, Joanne E.
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James A.
; APPLICANT: Reno, John M.
; APPLICANT: Dearstynne, Erica A.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
; FILE REFERENCE: 690022.547C2
; CURRENT APPLICATION NUMBER: US/10/150,762
; CURRENT FILING DATE: 2002-05-17
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 48
; LENGTH: 1467
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: CC49 single chain antibody-genomic streptavidin
; OTHER INFORMATION: fusion sequence
US-10-150-762-48

Query Match 76.3%; Score 486.6; DB 15; Length 1467;
Best Local Similarity 98.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 100 GATTACGGCAGCGCTTCGGGAGACCCCTCAAGGACTCGAAGGCCAGGCTCTCGGCCGC 159
Db 894 GAGCTCTGGCTCTGGTTCGGCAGACCCCTCAAGGACTCGAAGGCCAGGCTCTCGGCCGC 953
QY 160 CGAGCGCGGATACCGGCGACCTGGTACACCGAGCTCGGCTCGACCTTCATCTGACCGC 219
Db 954 CGAGCGCGGATACCGGCGACCTGGTACACCGAGCTCGGCTCGACCTTCATCTGACCGC 1013
QY 220 GGGCGCGGAGCGGCGCTGACCGGAACTACGAGTCGGCGCTCGGCAACCGCCGAGAGCG 279
Db 1014 GGGCGCGGAGCGGCGCTGACCGGAACTACGAGTCGGCGCTCGGCAACCGCCGAGAGCG 1073
QY 280 CTAGCTCTGACCGCTGTTACGACGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCT 339
Db 1074 CTAGCTCTGACCGCTGTTACGACGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCT 1133
QY 340 CGGTTGAGCGGCTGGAGAGTAATACCGCAACCGCCCACTCCGCGACCGAGTGAG 399
Db 1134 CGGTTGAGCGGCTGGAGAGTAATACCGCAACCGCCCACTCCGCGACCGAGTGAG 1193
QY 400 CGGCGAGTACGTCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 459
Db 1194 CGGCGAGTACGTCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1253
QY 460 CACCACCGAGGCCAAGCGCTGGAAGTCCAGCTGGTGGCGGAGGATCAACCGAGTGTGCTGACCTCCGG 519
Db 1254 CACCACCGAGGCCAAGCGCTGGAAGTCCAGCTGGTGGCGGAGGATCAACCGAGTGTGCTGACCTCCGG 1313
QY 520 GAAGCGTTCGCGCGCTTCATCGACCGGCGGAGAGAGCGGCGGCTCAACCGGCAACCC 579
Db 1314 GAAGCGTTCGCGCGCTTCATCGACCGGCGGAGAGAGCGGCGGCTCAACCGGCAACCC 1373
QY 580 GCTCGAGCGCGTTTCAGCAGTA 600
Db 1374 GCTCGAGCGCGTTTCAGCAGTA 1394

RESULT 14
US-10-013-173-3
; Sequence 3, Application US/10013173
; Publication No. US2003009597A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen C.
; APPLICANT: Graves, Scott Stoll
; APPLICANT: Schultz, Joanne Elaine
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James A.
; APPLICANT: Reno, John M.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND

APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James Allen
; APPLICANT: Reno, John M.
; APPLICANT: Dearstynne, Erica A.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
; FILE REFERENCE: 690022.547C3
; CURRENT APPLICATION NUMBER: US/10/244,821
; CURRENT FILING DATE: 2002-09-16
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 48
; LENGTH: 1467
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: CC49 single chain antibody-genomic streptavidin
; OTHER INFORMATION: fusion sequence
US-10-244-821-48

Query Match 76.3%; Score 486.6; DB 15; Length 1467;
Best Local Similarity 98.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 100 GATTACGGCAGCGCTTCGGGAGACCCCTCAAGGACTCGAAGGCCAGGCTCTCGGCCGC 159
Db 894 GAGCTCTGGCTCTGGTTCGGCAGACCCCTCAAGGACTCGAAGGCCAGGCTCTCGGCCGC 953
QY 160 CGAGCGCGGATACCGGCGACCTGGTACACCGAGCTCGGCTCGACCTTCATCTGACCGC 219
Db 954 CGAGCGCGGATACCGGCGACCTGGTACACCGAGCTCGGCTCGACCTTCATCTGACCGC 1013
QY 220 GGGCGCGGAGCGGCGCTGACCGGAACTACGAGTCGGCGCTCGGCAACCGCCGAGAGCG 279
Db 1014 GGGCGCGGAGCGGCGCTGACCGGAACTACGAGTCGGCGCTCGGCAACCGCCGAGAGCG 1073
QY 280 CTAGCTCTGACCGCTGTTACGACGAGCGCGCGCGCGCGCGCGCGCGCGCGCT 339
Db 1074 CTAGCTCTGACCGCTGTTACGACGAGCGCGCGCGCGCGCGCGCGCGCGCGCT 1133
QY 340 CGGTTGAGCGGCTGGAGAGTAATACCGCAACCGCCCACTCCGCGACCGAGTGAG 399
Db 1134 CGGTTGAGCGGCTGGAGAGTAATACCGCAACCGCCCACTCCGCGACCGAGTGAG 1193
QY 400 CGGCGAGTACGTCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 459
Db 1194 CGGCGAGTACGTCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1253
QY 460 CACCACCGAGGCCAAGCGCTGGAAGTCCAGCTGGTGGCGGAGGATCAACCGAGTGTGCTGACCTCCGG 519
Db 1254 CACCACCGAGGCCAAGCGCTGGAAGTCCAGCTGGTGGCGGAGGATCAACCGAGTGTGCTGACCTCCGG 1313
QY 520 GAAGCGTTCGCGCGCTTCATCGACCGGCGGAGAGAGCGGCGGCTCAACCGGCAACCC 579
Db 1314 GAAGCGTTCGCGCGCTTCATCGACCGGCGGAGAGAGCGGCGGCTCAACCGGCAACCC 1373
QY 580 GCTCGAGCGCGTTTCAGCAGTA 600
Db 1374 GCTCGAGCGCGTTTCAGCAGTA 1394

; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 690022.547C1
; CURRENT APPLICATION NUMBER: US/10/013,173
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1614
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: huNR-LU-10 single chain antibody-genomic streptavidin
; OTHER INFORMATION: fusion.
US-10-013-173-3

Query Match 76.3%; Score 486.6; DB 14; Length 1614;
Best Local Similarity 98.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 100 GATTACGGCCAGCGCTTCGGCAGACCCCTCCAGGAGCTCGAAGGCCAGGTCTCGGCGGC 159
DB 1107 GAGCTTGGCTCTGGTTCGGCAGACCCCTCCAGGAGCTCGAAGGCCAGGTCTCGGCGGC 1166
QY 160 CGAGGCCGGCATCACCGGCACCTGGTACAAACAGCTCGGCTCGACCTTCATCGTACCGC 219
DB 1167 CGAGGCCGGCATCACCGGCACCTGGTACAAACAGCTCGGCTCGACCTTCATCGTACCGC 1226
QY 220 GGGCGCGCAGCGGCCCTGACCGAACCTACGAGTCGGCGTGGCAACCGCGAGAGCG 279
DB 1227 GGGCGCGCAGCGGCCCTGACCGAACCTACGAGTCGGCGTGGCAACCGCGAGAGCG 1286
QY 280 CTAGCTCTGACCGGTCTGTTACGACAGCGCCCGCGGACCGAGCGAGCGGACCGCCCT 339
DB 1287 CTAGCTCTGACCGGTCTGTTACGACAGCGCCCGCGGACCGAGCGAGCGGACCGCCCT 1346
QY 340 CGGTTGACCGGTGGCTTGGAGAAATACCTACCGAACGCCCACTCCGCGACACGCTGGAG 399
DB 1347 CGGTTGACCGGTGGCTTGGAGAAATACCTACCGAACGCCCACTCCGCGACACGCTGGAG 1406
QY 400 CGGCCAGTACGTCGGCGCGCGCGAGGAGGATCAACACCCAGTGGCTGTGACCTCCGG 459
DB 1407 CGGCCAGTACGTCGGCGCGCGCGAGGAGGATCAACACCCAGTGGCTGTGACCTCCGG 1466
QY 460 CACCACCGAGCCCAACCGCTTGGAGTCCAGCTGGTGGCCACGACACCTTCACCAAGT 519
DB 1467 CACCACCGAGCCCAACCGCTTGGAGTCCAGCTGGTGGCCACGACACCTTCACCAAGT 1526
QY 520 GAAGCGCTCCGCCCTCCATCGACGCGCGGAGAGGCCGGGTCAACAAACGGCAACCC 579
DB 1527 GAAGCGCTCCGCCCTCCATCGACGCGCGGAGAGGCCGGGTCAACAAACGGCAACCC 1586
QY 580 GCTCGACCGCGCTTCAGCAGTA 600
DB 1587 GCTCGACCGCGCTTCAGCAGTA 1607

Search completed: October 30, 2004, 20:04:35
Job time : 386 secs

; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 690022.547C1
; CURRENT APPLICATION NUMBER: US/10/013,173
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1614
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: huNR-LU-10 single chain antibody-genomic streptavidin
; OTHER INFORMATION: fusion.
US-10-013-173-3

Query Match 76.3%; Score 486.6; DB 14; Length 1614;
Best Local Similarity 98.2%; Pred. No. 1.2e-120;
Matches 492; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 100 GATTACGGCCAGCGCTTCGGCAGACCCCTCCAGGAGCTCGAAGGCCAGGTCTCGGCGGC 159
DB 1107 GAGCTTGGCTCTGGTTCGGCAGACCCCTCCAGGAGCTCGAAGGCCAGGTCTCGGCGGC 1166
QY 160 CGAGGCCGGCATCACCGGCACCTGGTACAAACAGCTCGGCTCGACCTTCATCGTACCGC 219
DB 1167 CGAGGCCGGCATCACCGGCACCTGGTACAAACAGCTCGGCTCGACCTTCATCGTACCGC 1226
QY 220 GGGCGCGCAGCGGCCCTGACCGAACCTACGAGTCGGCGTGGCAACCGCGAGAGCG 279
DB 1227 GGGCGCGCAGCGGCCCTGACCGAACCTACGAGTCGGCGTGGCAACCGCGAGAGCG 1286
QY 280 CTAGCTCTGACCGGTCTGTTACGACAGCGCCCGCGGACCGAGCGAGCGGACCGCCCT 339
DB 1287 CTAGCTCTGACCGGTCTGTTACGACAGCGCCCGCGGACCGAGCGAGCGGACCGCCCT 1346
QY 340 CGGTTGACCGGTGGCTTGGAGAAATACCTACCGAACGCCCACTCCGCGACACGCTGGAG 399
DB 1347 CGGTTGACCGGTGGCTTGGAGAAATACCTACCGAACGCCCACTCCGCGACACGCTGGAG 1406
QY 400 CGGCCAGTACGTCGGCGCGCGCGAGGAGGATCAACACCCAGTGGCTGTGACCTCCGG 459
DB 1407 CGGCCAGTACGTCGGCGCGCGCGAGGAGGATCAACACCCAGTGGCTGTGACCTCCGG 1466
QY 460 CACCACCGAGCCCAACCGCTTGGAGTCCAGCTGGTGGCCACGACACCTTCACCAAGT 519
DB 1467 CACCACCGAGCCCAACCGCTTGGAGTCCAGCTGGTGGCCACGACACCTTCACCAAGT 1526
QY 520 GAAGCGCTCCGCCCTCCATCGACGCGCGGAGAGGCCGGGTCAACAAACGGCAACCC 579
DB 1527 GAAGCGCTCCGCCCTCCATCGACGCGCGGAGAGGCCGGGTCAACAAACGGCAACCC 1586
QY 580 GCTCGACCGCGCTTCAGCAGTA 600
DB 1587 GCTCGACCGCGCTTCAGCAGTA 1607

RESULT 15
US-10-150-762-3
; Sequence 3, Application US/10150762
; Publication No. US20030103948A1
; GENERAL INFORMATION:
; APPLICANT: Goshorn, Stephen C.
; APPLICANT: Graves, Scott S.
; APPLICANT: Schults, Joanne E.
; APPLICANT: Lin, Yukang
; APPLICANT: Sanderson, James A.
; APPLICANT: Reno, John M.
; APPLICANT: Dearstyne, Erica A.
; TITLE OF INVENTION: STREPTAVIDIN EXPRESSED GENE FUSIONS AND
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 690022.547C2
; CURRENT APPLICATION NUMBER: US/10/150,762
; CURRENT FILING DATE: 2002-05-17

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: October 30, 2004, 17:05:03 ; Search time 91 Seconds

(without alignments)
4983.333 Million cell updates/sec

Title: US-09-743-690-10

Perfect score: 638

Sequence: 1 cctcgtccgcgcgggca.....cgggtcgccggacctcgcc 638

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 824507 seqs, 35539441 residues

Total number of hits satisfying chosen parameters: 1649014

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA:*
1: /cgn2_6/prodata/1/ina/5A COMB.seq.*
2: /cgn2_6/prodata/1/ina/5B COMB.seq.*
3: /cgn2_6/prodata/1/ina/6A COMB.seq.*
4: /cgn2_6/prodata/1/ina/6B COMB.seq.*
5: /cgn2_6/prodata/1/ina/PCTUS COMB.seq.*
6: /cgn2_6/prodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	638	100.0	638	3	US-08-831-399-1
2	638	100.0	638	3	US-09-381-430-1
3	638	100.0	638	3	US-09-366-862-1
4	617.4	96.8	1131	6	US-09-368-772-1
5	552	86.5	552	5	PCT-US93-05240-13
6	552	86.5	552	5	US-09-938-270B-2
7	477	74.8	1266	4	US-09-142-974B-3
8	374.4	58.7	1173	4	US-09-142-974B-4
9	374.4	58.7	1176	4	US-09-142-974B-3
10	354	55.5	354	3	US-07-780-717C-6
11	310.8	48.7	1356	2	US-08-491-988-4
12	307	48.1	498	4	US-09-117-447-7
13	305	47.8	525	1	US-07-924-028A-2
14	268.4	42.1	1296	2	US-08-491-988-6
15	238.8	37.4	1257	2	US-08-491-988-8
16	236.2	37.0	384	3	US-08-831-399-15
17	236.2	37.0	384	3	US-09-366-862-15
18	236.2	37.0	384	3	US-09-368-772-15
19	236.2	37.0	387	1	US-08-211-833-1
20	236.2	37.0	387	1	US-08-434-718-1
21	72.8	11.4	4403765	3	US-09-103-840A-2
22	72.8	11.4	4411529	3	US-09-103-840A-1
23	71.8	11.3	4403765	3	US-09-103-840A-2
24	70.2	11.0	4411529	3	US-09-103-840A-1
25	68.4	10.7	2214	3	US-08-864-038A-1
26	68.4	10.7	3331	3	US-08-864-038A-2
27	68.4	10.7	3331	3	US-08-864-038A-4

28	67	10.5	484	1	US-08-554-586-1	Sequence 1, Appli
29	65.8	10.3	3300	1	US-08-194-290-6	Sequence 6, Appli
30	65.8	10.3	3300	2	US-08-614-377A-6	Sequence 6, Appli
31	65.8	10.3	3300	3	US-09-142-648B-6	Sequence 6, Appli
32	64.6	10.1	1140	3	US-09-023-173-4	Sequence 4, Appli
33	64	10.0	1206	4	US-09-252-991A-3328	Sequence 3328, Ap
34	64	10.0	1470	4	US-09-252-991A-3329	Sequence 3329, Ap
35	63.6	10.0	23673	3	US-09-773-816-1	Sequence 1, Appli
36	61.4	9.6	30001	1	US-08-125-468-1	Sequence 1, Appli
37	61.4	9.6	30001	2	US-08-474-933-1	Sequence 1, Appli
38	61	9.6	47981	4	US-09-673-279-1	Sequence 1, Appli
39	60.8	9.5	72	1	US-08-318-193-78	Sequence 78, Appli
40	60	9.4	1548	2	US-08-762-106-5	Sequence 5, Appli
41	60	9.4	1548	3	US-09-320-774-5	Sequence 5, Appli
42	60	9.4	1581	2	US-08-762-106-6	Sequence 6, Appli
43	60	9.4	1581	3	US-09-320-774-6	Sequence 6, Appli
44	60	9.4	2793	1	US-08-209-747-1	Sequence 1, Appli
45	60	9.4	2793	1	US-08-458-298-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1

US-08-831-399-1

; Sequence 1, Application US/08831399

; Patent No. 6312916

; GENERAL INFORMATION:

; APPLICANT: Kopetzki, Erhard; Muller, Rainer;

; APPLICANT: Ergh, Richard; Schmitt, Urban; Deger, Arno; Brandstetter, Hans

; TITLE OF INVENTION: Recombinant Inactive Core

; TITLE OF INVENTION: Streptavidin Mutants

; NUMBER OF SEQUENCES: 16

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Felfe & Lynch

; STREET: 805 Third Avenue

; CITY: New York City

; STATE: New York

; COUNTRY: USA

; ZIP: 10022

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage

; COMPUTER: IBM PS/2

; OPERATING SYSTEM: PC-DOS

; SOFTWARE: Wordperfect

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/831.399

; FILING DATE: 1-April-1997

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: DE 196 13 053.0

; FILING DATE: 1-April-1996

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: DE 196 37 718.8

; FILING DATE: 16-September-1996

; ATTORNEY/AGENT INFORMATION:

; NAME: Hanson, No. 6312916man D.

; REGISTRATION NUMBER: 30,946

; REFERENCE/DOCKET NUMBER: HUBR 1105

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 688-9200

; TELEFAX: (212) 688-3884

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 638 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 50..598

; OTHER INFORMATION: Positions 50..121 correspond to sig

; OTHER INFORMATION: peptide, and 122..598 to mat peptide.

TYPE: DNA
; ORGANISM: Streptomyces avidinii
US-09-381-430-1

Query Match 100.0%; Score 638; DB 3; Length 638;
Best Local Similarity 100.0%; Pred. No. 2.5e-129;
Matches 638; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCCTCGTCCCGCGGCAACAACCTAGGAGTATTTTCGTCTCTCATGCGCAAGAT 60
DB 1 CCCTCGTCCCGCGGCAACAACCTAGGAGTATTTTCGTCTCTCATGCGCAAGAT 60
QY 61 CGTCGTTCAGGCATCGCCGTTTCCCTGACACGGTCTCGATTACGGCCAGCGCTTCGGC 120
DB 61 CGTCGTTCAGGCATCGCCGTTTCCCTGACACGGTCTCGATTACGGCCAGCGCTTCGGC 120
QY 121 AGACCCCTCAAGGACTCGAAGCCGAGTCTCGGCGCGGAGCGCGCATCACCGGCAC 180
DB 121 AGACCCCTCAAGGACTCGAAGCCGAGTCTCGGCGCGGAGCGCGCATCACCGGCAC 180
QY 181 CTGCTACCAACCTAGCTCGGCTTCGACCTTCATCGTGAACCGCGGCGCGCTGAC 240
DB 181 CTGCTACCAACCTAGCTCGGCTTCGACCTTCATCGTGAACCGCGGCGCGCTGAC 240
QY 241 CGGAACCTACGAGTCGGCGTTCGGCAACCGCGGCGCGCTGACCTGACCTGTTA 300
DB 241 CGGAACCTACGAGTCGGCGTTCGGCAACCGCGGCGCGCTGACCTGACCTGTTA 300
QY 301 CGACAGCGCGCGCGCACCGGACCGGCGCGCGCTGACCTGACCTGTTGAA 360
DB 301 CGACAGCGCGCGCGCACCGGACCGGCGCGCGCTGACCTGACCTGTTGAA 360
QY 361 GAATAACTACCGCAAGCCCACTCCGCGGACCGTCCGCGGCGCGCTGACCTG 420
DB 361 GAATAACTACCGCAAGCCCACTCCGCGGACCGTCCGCGGCGCGCTGACCTG 420
QY 421 CGAGCGGAGGATCAACACCGGCGCGCTGACCTCCGCGGCGCGCTGACCTG 480
DB 421 CGAGCGGAGGATCAACACCGGCGCGCTGACCTCCGCGGCGCGCTGACCTG 480
QY 481 GAATCCACCTGCTCGGCGCACCGGCGCGCTGACCTCCGCGGCGCGCTGACCT 540
DB 481 GAATCCACCTGCTCGGCGCACCGGCGCGCTGACCTCCGCGGCGCGCTGACCT 540
QY 541 CGACCGCGGAGGAGCGCGGCTCAACACCGGCGCGCTGACCTCCGCGGCGCG 600
DB 541 CGACCGCGGAGGAGCGCGGCTCAACACCGGCGCGCTGACCTCCGCGGCGCG 600
QY 601 GTCCGCTCCCGGCGACCGGCGCGGTCGCGGCGCGCTGCGGCC 638
DB 601 GTCCGCTCCCGGCGACCGGCGCGGTCGCGGCGCGCTGCGGCC 638

RESULT 3
US-09-366-862-1
; Sequence 1, Application US/09366862
; Patent No. 6391571
; GENERAL INFORMATION:
; APPLICANT: Kopetzki, Erhard; Muller, Rainer;
; APPLICANT: Engh, Richard; Schmitt, Urban; Deger, Arno; Brandstetter, Hans
; TITLE OF INVENTION: Recombinant Inactive Core Streptavidin Mutants
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Felfe & Lynch
; STREET: 805 Third Avenue
; CITY: New York City
; STATE: New York
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS

US-08-831-399-1

Query Match 100.0%; Score 638; DB 3; Length 638;
Best Local Similarity 100.0%; Pred. No. 2.5e-129;
Matches 638; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCCTCGTCCCGCGGCAACAACCTAGGAGTATTTTCGTCTCTCATGCGCAAGAT 60
DB 1 CCCTCGTCCCGCGGCAACAACCTAGGAGTATTTTCGTCTCTCATGCGCAAGAT 60
QY 61 CGTCGTTCAGGCATCGCCGTTTCCCTGACACGGTCTCGATTACGGCCAGCGCTTCGGC 120
DB 61 CGTCGTTCAGGCATCGCCGTTTCCCTGACACGGTCTCGATTACGGCCAGCGCTTCGGC 120
QY 121 AGACCCCTCAAGGACTCGAAGCCGAGTCTCGGCGCGGAGCGCGCATCACCGGCAC 180
DB 121 AGACCCCTCAAGGACTCGAAGCCGAGTCTCGGCGCGGAGCGCGCATCACCGGCAC 180
QY 181 CTGCTACCAACCTAGCTCGGCTTCGACCTTCATCGTGAACCGCGGCGCGCTGAC 240
DB 181 CTGCTACCAACCTAGCTCGGCTTCGACCTTCATCGTGAACCGCGGCGCGCTGAC 240
QY 241 CGGAACCTACGAGTCGGCGTTCGGCAACCGCGGCGCGCTGACCTGACCTGTTA 300
DB 241 CGGAACCTACGAGTCGGCGTTCGGCAACCGCGGCGCGCTGACCTGACCTGTTA 300
QY 301 CGACAGCGCGCGCGCACCGGACCGGCGCGCGCTGACCTGACCTGTTGAA 360
DB 301 CGACAGCGCGCGCGCACCGGACCGGCGCGCGCTGACCTGACCTGTTGAA 360
QY 361 GAATAACTACCGCAAGCCCACTCCGCGGACCGTCCGCGGCGCGCTGACCTG 420
DB 361 GAATAACTACCGCAAGCCCACTCCGCGGACCGTCCGCGGCGCGCTGACCTG 420
QY 421 CGAGCGGAGGATCAACACCGGCGCGCTGACCTCCGCGGCGCGCTGACCTG 480
DB 421 CGAGCGGAGGATCAACACCGGCGCGCTGACCTCCGCGGCGCGCTGACCTG 480
QY 481 GAATCCACCTGCTCGGCGCACCGGCGCGCTGACCTCCGCGGCGCGCTGACCT 540
DB 481 GAATCCACCTGCTCGGCGCACCGGCGCGCTGACCTCCGCGGCGCGCTGACCT 540
QY 541 CGACCGCGGAGGAGCGCGGCTCAACACCGGCGCGCTGACCTCCGCGGCGCG 600
DB 541 CGACCGCGGAGGAGCGCGGCTCAACACCGGCGCGCTGACCTCCGCGGCGCG 600
QY 601 GTCCGCTCCCGGCGACCGGCGCGGTCGCGGCGCGCTGCGGCC 638
DB 601 GTCCGCTCCCGGCGACCGGCGCGGTCGCGGCGCGCTGCGGCC 638

RESULT 2
US-09-381-430-1
; Sequence 1, Application US/09381430
; Patent No. 6368813
; GENERAL INFORMATION:
; APPLICANT: Reznik, Gabriel O.
; APPLICANT: Sano, Takeshi
; APPLICANT: Vajda, Sandor
; APPLICANT: Smith, Cassandra
; APPLICANT: Cantor, Charles
; TITLE OF INVENTION: MULTI-FLAVOR STREPTAVIDIN
; FILE REFERENCE: 1586-50152
; CURRENT APPLICATION NUMBER: US/09/381,430
; CURRENT FILING DATE: 2000-03-23
; PRIOR APPLICATION NUMBER: PCT/US98/04931
; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: 60/040,771
; PRIOR FILING DATE: 1997-03-14
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 638

Query Match	100.0%	Score 638	DB 3	Length 638
Best Local Similarity	100.0%	Pred. No. 2.5e-129	Indels	0
Matches 638	Conservative 0	Mismatches 0		
QY	1	CCCTCCGTC	CCCGCGGCAACAACTAGGAGGTATTTTCGTGTCTC	ATGCGCAAGAT 60
DB	1	CCCTCCGTC	CCCGCGGCAACAACTAGGAGGTATTTTCGTGTCTC	ATGCGCAAGAT 60
QY	61	CGTCGTTGACGCATCGCCGTTCCCTGACACAGGCTCTG	ATTACAGGCGGCGCTTCGGC	120
DB	61	CGTCGTTGACGCATCGCCGTTCCCTGACACAGGCTCTG	ATTACAGGCGGCGCTTCGGC	120
QY	121	AGACGCCCTCCAAAGACTCTGAAGGCGCCAGGTCTCT	CGCGCGCGAGGCGCGGCATCACC	CGGCAC 180
DB	121	AGACGCCCTCCAAAGACTCTGAAGGCGCCAGGTCTCT	CGCGCGCGAGGCGCGGCATCACC	CGGCAC 180
QY	181	CTGTGTACAAACAGCTCGGCTCGACCTTCATCTGTGA	CGCGGCGCGGCGGCGCCCTGAC	240
DB	181	CTGTGTACAAACAGCTCGGCTCGACCTTCATCTGTGA	CGCGGCGCGGCGGCGCCCTGAC	240
QY	241	CGGAACCTACAGTCTGGCGCTCGGCAACGCGCGAGAG	CGCCTACGTCCTGACCGGTCGTTA	300
DB	241	CGGAACCTACAGTCTGGCGCTCGGCAACGCGCGAGAG	CGCCTACGTCCTGACCGGTCGTTA	300
QY	301	CGACAGCGCCCGGCCACCGACGCGACGCGCCCTCG	GTTGAGACGCTGGCCCTGAA	360
DB	301	CGACAGCGCCCGGCCACCGACGCGACGCGCCCTCG	GTTGAGACGCTGGCCCTGAA	360
QY	361	GAATAACTACCGCAACGCGCCACTCCGCGACACAGT	CGAGCGGCCAGTACGTCGCGCGGCGC	420
DB	361	GAATAACTACCGCAACGCGCCACTCCGCGACACAGT	CGAGCGGCCAGTACGTCGCGCGGCGC	420
QY	421	CGAGCGGAGGTACACCCAGTGGCTGCTGACCTCGG	ACACCGCGGCGGCGGCGGCGC	480
DB	421	CGAGCGGAGGTACACCCAGTGGCTGCTGACCTCGG	ACACCGCGGCGGCGGCGGCGC	480
QY	481	GAAGTCCACGCTGTGCGGCCACGACACTTCACCAAG	GTGAAGCGCTTCGCGCGCTCCAT	540
DB	481	GAAGTCCACGCTGTGCGGCCACGACACTTCACCAAG	GTGAAGCGCTTCGCGCGCTCCAT	540

	Query Match	100.0%;	Score 638;	DB 4;	Length 638;
	Best Local Similarity	100.0%;	Pred. No. 2.5e-129;		
	Matches 638;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	CCCTCGGTCCCGCGCGGCAACAACTAGGGAGTATTTTCGTGTCATCGCGCAAGAT	60		
Db	1	CCCTCGGTCCCGCGCGGCAACAACTAGGGAGTATTTTCGTGTCATCGCGCAAGAT	60		
QY	61	GTCGTGTCAGCCATCGCCGGTCTCCCTGTACACACGGTCTCGATTAGCGCACGGCTTCGGC	120		
Db	61	GTCGTGTCAGCCATCGCCGGTCTCCCTGTACACACGGTCTCGATTAGCGCACGGCTTCGGC	120		

QY 121 AGACCCCTCCAGGACTCGAAGGCCAGGCTCTCGGCGCGCGAGCGCGGATCAACCGGCAC 180
Db 121 AGACCCCTCCAGGACTCGAAGGCCAGGCTCTCGGCGCGCGAGCGCGGATCAACCGGCAC 180
QY 181 CTGGTACAAACAGCTCGGCTCGAATCTTCATCGTGAACCGCGGCGCGCGAGCGCGCTGAC 240
Db 181 CTGGTACAAACAGCTCGGCTCGAATCTTCATCGTGAACCGCGGCGCGAGCGCGCTGAC 240
QY 241 CGGAACCTACAGTCTCGGCTCGGCAACCGCGAGCGGCTTACGTCCTGACCGGCTGTTA 300
Db 241 CGGAACCTACAGTCTCGGCTCGGCAACCGCGAGCGGCTTACGTCCTGACCGGCTGTTA 300
QY 301 CGACAGCGCCCGCGGCAACCGCGAGCGGCAACCGCGCTCTCGTGGACGGTGGCTGGAA 360
Db 301 CGACAGCGCCCGCGGCAACCGCGAGCGGCAACCGCGCTCTCGTGGACGGTGGCTGGAA 360
QY 361 GAATTAACCTACGAGCGGCTCGGCAACCGCGAGCGGCTTACGTCCTGACCGGCTGTTA 420
Db 361 GAATTAACCTACGAGCGGCTCGGCAACCGCGAGCGGCTTACGTCCTGACCGGCTGTTA 420
QY 421 CGAGGCGAGGATCAACACCGGCTCGGCTCGGCAACCGCGAGCGGCTTACGTCCTGAC 480
Db 421 CGAGGCGAGGATCAACACCGGCTCGGCTCGGCAACCGCGAGCGGCTTACGTCCTGAC 480
QY 481 GAAGTCCAGCTGGTGGCGGAGGACCTTCAACAGGCTGAAGCGGCTTACGTCCTGAC 540
Db 481 GAAGTCCAGCTGGTGGCGGAGGACCTTCAACAGGCTGAAGCGGCTTACGTCCTGAC 540
QY 541 CGACGCGGAGGAGGCGGCTCGGCTCAACAGGCTGAAGCGGCTTACGTCCTGACGAGTA 600
Db 541 CGACGCGGAGGAGGCGGCTCGGCTCAACAGGCTGAAGCGGCTTACGTCCTGACGAGTA 600
QY 601 GTGCGTCCCGGAGGCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCT 638
Db 601 GTGCGTCCCGGAGGCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCT 638

RESULT 5

5168049-1
; Patent No. 5168049
; APPLICANT: MEADE, HARRY M.; GARWIN, JEFFREY L.
; TITLE OF INVENTION: PRODUCTION OF STREPTAVIDIN-LIKE
; POLYPEPTIDES
; NUMBER OF SEQUENCES: 6
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/185,329
; FILING DATE: 21-APR-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 656,873
; FILING DATE: 02-OCT-1984
; SEQ ID NO: 1:
; LENGTH: 1131
5168049-1

Query Match 96.8%; Score 617.4; DB 6; Length 1131;
Best Local Similarity 99.7%; Pred. No. 7,4e-125;
Matches 629; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
QY 9 CCCCCTCCCGGCAACAACTA-GGGAGTATTTTCGTCTCAATGCGGCAAGATCGTGT 67
Db 438 CCCCCTCCCGGCAACAACTAGGGAGTATTTTCGTCTCAATGCGGCAAGATCGTGT 497
QY 68 GCAGCATCGCGCTTTCCTGACACAGGCTCTGATTACGGCCAGCGGCTTGGCAGACCCC 127
Db 498 GCAGCATCGCGCTTTCCTGACACAGGCTCTGATTACGGCCAGCGGCTTGGCAGACCCC 557
QY 128 TCAGAGGACTGAGAGCGGCGGCTCGGCGCGCGGCGGCGGATCAACCGGCACTGTGAC 187
Db 558 TCAGAGGACTGAGAGCGGCGGCTCGGCGCGCGGCGGCGGATCAACCGGCACTGTGAC 617
QY 188 AACACAGCTCGGCTCGACCTTCATGTGACCGGCGGCGGCGGCTCGGCGGCGGCGGCGG 247

Db 618 AACACAGCTCGGCTCGACCTTCATGTGACCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 677
QY 248 TACAGTTCGGCGCTCGGCAACCGCGAGCGGCTAGTCTCTGACCGGCTCGTTCACGACGC 307
Db 678 TACAGTTCGGCGCTCGGCAACCGCGAGCGGCGGCTAGTCTCTGACCGGCTCGTTCACGACGC 737
QY 308 GCCCGGCGGCAACCGCGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 367
Db 738 GCCCGGCGGCAACCGCGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 797
QY 368 TACCGCAACCGGCGGCTCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 427
Db 798 TACCGCAACCGGCGGCTCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 857
QY 428 AGGATCAACCGGCGGCTCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 487
Db 858 AGGATCAACCGGCGGCTCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 917
QY 488 AGCTGTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 547
Db 918 AGCTGTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 977
QY 548 GCGAAGGAGCGGCGGCTCAACAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 607
Db 978 GCGAAGGAGCGGCGGCTCAACAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1037
QY 608 CCGG 638
Db 1038 CCGG 1069

RESULT 6

PCT-US93-05240-13
; Sequence 13, Application PC/TUS9305240
; GENERAL INFORMATION:
; APPLICANT: NAGARAJAN, VASANTHA
; TITLE OF INVENTION: PRODUCTION OF STREPTAVIDIN FROM BACILLUS
; TITLE OF INVENTION: SUBTILLIS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DU PONT COMPANY
; STREET: BARLEY MILL PLAZA 36
; CITY: WILMINGTON
; STATE: DELAWARE
; COUNTRY: USA
; ZIP: 19880-0036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/05240
; FILING DATE: 19930527
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: GEIGER, KATHLEEN W
; REFERENCE/DOCKET NUMBER: CR 9029
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 302-892-2118
; TELEFAX: 302-892-7949
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 552 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
PCT-US93-05240-13

Query Match 86.5%; Score 552; DB 5; Length 552;
Best Local Similarity 100.0%; Pred. No. 9.1e-111;
Matches 552; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 50 ATGGCGAGATCGTCTGTTGAGCCATCGCCGTTTCCCTTGACCAAGCGTCTCGATTACGGCC 109
Db |||||
1 ATGGCGAAGATCGTCTGTTGAGCCATCGCCGTTTCCCTTGACCAAGCGTCTCGATTACGGCC 60
QY 110 AGCGCTTCGGCAGACCCCTTCAAGAGATCGAAGGCCCGAGGTCTCGGCCGCGGAGCGGC 169
Db |||||
61 AGCGCTTCGGCAGACCCCTTCAAGAGATCGAAGGCCCGAGGTCTCGGCCGCGGAGCGGC 120
QY 170 ATCAACCGGCACTGGTCAACAGCTCGGTTCGATCTTCATCTGTAACCGGGCGCGAC 229
Db |||||
121 ATCAACCGGCACTGGTCAACAGCTCGGTTCGATCTTCATCTGTAACCGGGCGCGAC 190
QY 230 GGCGCCCTGACCGGAACCTTAGAGTCGCGCGCTGGGCAACCGGAGAGCCCTAGTCTCTG 289
Db |||||
181 GGCGCCCTGACCGGAACCTTAGAGTCGCGCGCTGGGCAACCGGAGAGCCCTAGTCTCTG 240
QY 290 ACGGTCTGTAACAGACGCGCCCGGCCACCGAGCGGACCGGCCCTCGGTTCGAGC 349
Db |||||
241 ACCGCTGTTACGACAGCGCCCGGCCCAACCGAGCGGACCGGCCCTCGGTTCGAGC 300
QY 350 GTGSCCTGGAAGATACCTACCGAAGCCCACTTCGCGACACAGTGGAGCGGCCAGTAC 409
Db |||||
301 GTGSCCTGGAAGATACCTACCGAAGCCCACTTCGCGACACAGTGGAGCGGCCAGTAC 360
QY 410 GTGCGCGCGCGGAGGAGGATCAACACCAAGTGGCTGCTGACCTCCGCGACACCGAG 469
Db |||||
361 GTGCGCGCGCGGAGGAGGATCAACACCAAGTGGCTGCTGACCTCCGCGACACCGAG 420
QY 470 GCCAAGCCTTGAAGTCCAGTCTGTTGCGGACGACACCTTCAACAGGTGAAGCGCTCC 529
Db |||||
421 GCCAAGCCTTGAAGTCCAGTCTGTTGCGGACGACACCTTCAACAGGTGAAGCGCTCC 480
QY 530 GCGCGCTTCCATCGACGCGGGAAGAGCGCGGCTCAACAAAGCGCAACCGCTTCGAGCC 589
Db |||||
481 GCGCGCTTCCATCGACGCGGGAAGAGCGCGGCTCAACAAAGCGCAACCGCTTCGAGCC 540
QY 590 GTTCAGCAGTAG 601
Db |||||
541 GTTCAGCAGTAG 552

RESULT 7

US-09-938-270B-2
; Sequence 2, Application US/09938270B
; Patent No. 6673562
; GENERAL INFORMATION:
; APPLICANT: Oinwei Shi
; TITLE OF INVENTION: Differential Immunoassay
; FILE REFERENCE: 1112-1-080N
; CURRENT APPLICATION NUMBER: US/09/938,270B
; CURRENT FILING DATE: 2001-08-23
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: US 60/227,536
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/292,497
; PRIOR FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1266
; TYPE: DNA
; ORGANISM: hom sapien
US-09-938-270B-2

Query Match 74.8%; Score 477; DB 4; Length 1266;
Best Local Similarity 100.0%; Pred. No. 1.6e-94;
Matches 477; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 122 GACCCCTCAAGACTCGAAGGCCAGGTCTCGCGCGCGGAGCGCGGATACCGCGCACC 181
Db |||||
4 GACCCCTCAAGACTCGAAGGCCAGGTCTCGCGCGCGGAGCGCGGATACCGCGCACC 63
QY 182 TGGTAAACCAAGCTCGGTTCGACCTTCATCTGTAACCGGGCGCGGCGGCGGCGCTGACC 241

Db 64 TGGTAAACCAAGCTCGGTTCGACCTTCATCTGTAACCGGGCGCGGCGGCGGCGCTGACC 123
QY 242 GGAACCTTCAAGACTCGCGCGTTCGCGAACCAGCGAGAGCGCGTCTGTAACCGGTCTGTTAC 301
Db |||||
124 GGAACCTTCAAGACTCGCGCGTTCGCGAACCAGCGAGAGCGCGTCTGTAACCGGTCTGTTAC 183
QY 302 GACAGCGCGCGCGCGCGCGACCGAGCGGACCGCGCTCGGTTCGACCGGTTCGCGTGGAG 361
Db |||||
184 GACAGCGCGCGCGCGCGCGACCGAGCGGACCGCGCTCGGTTCGACCGGTTCGCGTGGAG 243
QY 362 AATTAATTAACCGCAAGCGCGCACTTCGCGACACAGTGGAGCGCGCGAGTCTGTAACCGGTTCGCGTGGAG 421
Db |||||
244 AATTAATTAACCGCAAGCGCGCACTTCGCGACACAGTGGAGCGCGCGAGTCTGTAACCGGTTCGCGTGGAG 303
QY 422 GAGGCGGAGATCAACACCAAGTGGTCTGCTCCGCGACCGCGCTCGGTTCGACCGGTTCGCGTGGAG 481
Db |||||
304 GAGGCGGAGATCAACACCAAGTGGTCTGCTCCGCGACCGCGCTCGGTTCGACCGGTTCGCGTGGAG 363
QY 482 AAGTCCAGCTGGTTCGCGACGACACCTTCAACAGGTGAAGCGGTTCGCGCGCGCTTCCATC 541
Db |||||
364 AAGTCCAGCTGGTTCGCGACGACACCTTCAACAGGTGAAGCGGTTCGCGCGCGCTTCCATC 423
QY 542 GACGCGGGAAGAGCGCGGCTCAACAAAGCGCAACCGCTTCGACCGCGGTTCGAGCAG 598
Db |||||
424 GACGCGGGAAGAGCGCGGCTCAACAAAGCGCAACCGCTTCGACCGCGGTTCGAGCAG 480

RESULT 8

US-09-142-974B-4
; Sequence 4, Application US/09142974B
; Patent No. 6451995
; GENERAL INFORMATION:
; APPLICANT: Cheung, Nai-Kong V.
; APPLICANT: Larson, Steven M.
; APPLICANT: Guo, Hong-Fen
; APPLICANT: Rivlin, Ken
; APPLICANT: Sadelain, Michel
; TITLE OF INVENTION: Single Chain FV Constructs of Anti-Ganglioside GD2
; FILE REFERENCE: MSK.P-013-USNP
; CURRENT APPLICATION NUMBER: US/09/142,974B
; CURRENT FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: PCT/US97/04427
; PRIOR FILING DATE: 1997-03-20
; PRIOR APPLICATION NUMBER: 60/013,703
; PRIOR FILING DATE: 1996-03-20
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 1173
; TYPE: DNA
; ORGANISM: Murine
; FEATURE:
; OTHER INFORMATION: 3G6-scfV-streptavidin
US-09-142-974B-4

Query Match 58.7%; Score 374.4; DB 4; Length 1173;
Best Local Similarity 98.4%; Pred. No. 2.3e-72;
Matches 378; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
QY 155 GCGCGCGCGCGCGCGCATCACCGGACCTTGTGTACAAACAGCTCGGCTCGACCTTCATCGTG 214
Db |||||
733 GCTGCTGAAGCAGGTATCACCGGCACCTGTGTACAAACAGCTCGGCTCGACCTTCATCGTG 792
QY 215 ACCGCGCGCGCGCGCGCGCTGACCGGAACCTAGAGTCGCGCGCTCGGCAACCGCGAG 274
Db |||||
793 ACCGCGCGCGCGCGCGCGCTGACCGGAACCTAGAGTCGCGCGCTCGGCAACCGCGAG 852
QY 275 AGCGCTTACGTCTCTGACCGGTCTGTAACAGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 334
Db |||||
853 AGCGCTTACGTCTCTGACCGGTCTGTAACAGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 912

335 GCCCTCGGTTGACCGGTGGCTGGAGGATTAACCTACCCAGCGCCACTCCGCGACCAAG 394
Db 913 GCCCTCGGTTGACCGGTGGCTGGAGGATTAACCTACCCAGCGCCACTCCGCGACCAAG 972
QY 395 TGGAGCGGCGAGTACGTGGCGGCGCGGAGGAGATCAACACCCAGTGGCTGCTGACC 454
Db 973 TGGAGCGGCGAGTACGTGGCGGCGCGGAGGAGATCAACACCCAGTGGCTGCTGACC 1032
QY 455 TCCGCGCACCAACCGAGGCGCAACCGCTGGAGTCCACGCTGGTGGCGGACGACCTTACCC 514
Db 1033 TCCGCGCACCAACCGAGGCGCAACCGCTGGAGTCCACGCTGGTGGCGGACGACCTTACCC 1092
QY 515 AAGGTGAAGCCGCTCCGCGCCCTCC 538
Db 1093 AAGGTGAAGCCGCTCCGCGCCCTCC 1116
RESULT 9
US-09-142-974B-3
; Sequence 3, Application US/09142974B
; Patent No. 6451995
; GENERAL INFORMATION:
; APPLICANT: Cheung, Nai-Kong V.
; APPLICANT: Larson, Steven M.
; APPLICANT: Guo, Hong-Pen
; APPLICANT: Rivlin, Ken
; APPLICANT: Sadelain, Michel
; TITLE OF INVENTION: Single Chain FV Constructs of Anti-Ganglioside GD2
; TITLE OF INVENTION: Antibodies
; FILE REFERENCE: MSK.P-013-USNP
; CURRENT APPLICATION NUMBER: US/09/142,974B
; CURRENT FILING DATE: 1998-09-18
; PRIOR FILING DATE: 1997-03-20
; PRIOR APPLICATION NUMBER: PCT/US97/04427
; PRIOR FILING DATE: 1997-03-20
; PRIOR APPLICATION NUMBER: 60/013,703
; PRIOR FILING DATE: 1996-03-20
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 1176
; TYPE: DNA
; ORGANISM: Murine
; FEATURE:
; OTHER INFORMATION: 5F11-scFv-streptavidin
; NAME/KEY: unsure
; LOCATION: (37)
; NAME/KEY: unsure
; LOCATION: (79)
US-09-142-974B-3
Query Match 58.7%; Score 374.4; DB 4; Length 1176;
Best Local Similarity 98.4%; Pred. No. 2.3e-72;
Matches 378; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
QY 155 CCGCGGAGCGCGATCACCAGGCTGGTACAAACAGCTCGCTCGACCTTCATCGTG 214
Db 736 GCTGCTGAAGCAGGTATCACCAGGCACTGGTACAAACAGCTCGCTCGACCTTCATCGTG 795
QY 215 ACCGCGGCGCGGAGCGGCGCTGACCGGAACTTACAGTGGCGCGTGGCAACGCGGAG 274
Db 796 ACCGCGGCGCGGAGCGGCGCTGACCGGAACTTACAGTGGCGCGTGGCAACGCGGAG 855
QY 275 AGCGGCTAGTCTTGAACCGGTGGTACAGAGCGCGCGGCGGCGGCGGCGGCGGCGGCGG 334
Db 856 AGCGGCTAGTCTTGAACCGGTGGTACAGAGCGCGCGGCGGCGGCGGCGGCGGCGGCGG 915
QY 335 GCCCTCGGTTGGAACCGGTGGTGAAGATTAACCTACCGCAACGCGGCGGCGGCGGCGGCGG 394
Db 916 GCCCTCGGTTGGAACCGGTGGTGAAGATTAACCTACCGCAACGCGGCGGCGGCGGCGGCGG 975
QY 395 TGGAGCGGCGGAGTACGTGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 454
Db 976 TGGAGCGGCGGAGTACGTGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1035

QY 455 TCCGCGCACCAACCGAGGCGCAACCGCTGGAGTCCACGCTGGTGGCGGACGACCTTACCC 514
Db 1036 TCCGCGCACCAACCGAGGCGCAACCGCTGGAGTCCACGCTGGTGGCGGACGACCTTACCC 1095
QY 515 AAGGTGAAGCCGCTCCGCGCCCTCC 538
Db 1096 AAGGTGAAGCCGCTCCGCGCCCTCC 1119
RESULT 10
US-07-780-717C-6
; Sequence 6, Application US/07780717C
; Patent No. 6391590
; GENERAL INFORMATION:
; APPLICANT: Sano, Takeshi
; APPLICANT: Glazer, Alexander N
; APPLICANT: Cantor, Charles R
; TITLE OF INVENTION: Metallothionein Derivatives with
; TITLE OF INVENTION: Biological Recognition Specificity
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/780,717C
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: B91-028
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 354 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..354
US-07-780-717C-6
Query Match 55.5%; Score 354; DB 3; Length 354;
Best Local Similarity 100.0%; Pred. No. 5e-68;
Matches 354; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 167 GCATCACCGGACCTGTGTACAAACAGCTCGGCTCGACCTTCATCGTGACCGGGGCGCC 226
Db 1 GCATCACCGGACCTGTGTACAAACAGCTCGGCTCGACCTTCATCGTGACCGGGGCGCC 60
QY 227 GACGGCGCCCTGACCGGAACCTACAGTGGCGCGCTCGGCAACGCGGAGCGGTACGTC 286
Db 61 GACGGCGCCCTGACCGGAACCTACAGTGGCGCGCTCGGCAACGCGGAGCGGTACGTC 120
QY 287 CTGACCGGTGCTTACGACG 346
Db 121 CTGACCGGTGCTTACGACG 180
QY 347 ACGGTGGCTGGAGAAATAACTACCGCAACGCCCACTCCGCGACCAAGTGTGAGCGGCGG 406

Db 181 ACGGTGGCTGGAAGATTAATACCGCAACGCCCACTCCGCGACACAGTGGAGCGGCAG 240
Qy 407 TACGTGGCGCGCGGAGGCGAGGATCAACACCCAGTGGTGTGACCTCCGCGACACCC 466
Db 241 TACGTGGCGCGCGGAGGCGAGGATCAACACCCAGTGGTGTGACCTCCGCGACACCC 300
Qy 467 GAGGCCAACGCTGGAAGTCCACGCTGGTGGCGCAACACACCTTACCCAGAGTG 520
Db 301 GAGGCCAACGCTGGAAGTCCACGCTGGTGGCGCAACACACCTTACCCAGAGTG 354

RESULT 11

US-08-491-988-4
; Sequence 4, Application US/08491988
; Patent No. 5973116
; GENERAL INFORMATION:
; APPLICANT: EPENETOS, AGAMEMNON A.
; APPLICANT: SPOONER, ROBERT A.
; APPLICANT: DEONARAIN, MAHENDRA
; TITLE OF INVENTION: Compounds for targeting
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MAULAY NISSEN GOLDBERG KIEL & HAND, LLP
; STREET: 261 MADISON AVENUE
; CITY: NEW YORK
; STATE: NY
; COUNTRY: USA
; ZIP: 10016-2391
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/491,988
; FILING DATE: 18-DEC-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: GOLDBERG, JULES E.
; REGISTRATION NUMBER: 24,408
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-986-4090
; TELEFAX: 212-818-9479
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1356 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHEICAL: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 40..1344
; US-08-491-988-4

Query Match 48.7%; Score 310.8; DB 2; Length 1356;
Best Local Similarity 72.6%; Pred. No. 1.3e-58;
Matches 402; Conservative 0; Mismatches 152; Indels 0; Gaps 0;
Qy 49 CATGCGCAAGATGCTGGTTCAGACCATCGCCGTTTCCCTGACCACCGTCTCGATTACGGC 108
Db 795 CAACCACTGGGTGTTGGTGGAGGACCAAACTGCTCTAGTCTCGAGGACCTGC 854
Qy 109 CAGCGTTTCGGCAGACCCCTCAAGACTCGAAGCCCAAGTCTCGGCCGCGAGCGCG 168
Db 855 TGCCGCACTGCGAGACCCCTCAAGACTTCAAGACTTCAAGCTCAGGTTTCTGACGCGAAGCTG 914
Qy 169 CATACCGGCACCTGGTATCAACACAGCTGGCTCGACCTTTCATCGTACGCGGCGCCGA 228
Db 915 TATCACTGCACTGGTATCAACCACTGGGTGCGACTTTCATTTGACCCGCTGGTGGCGGA 974

Qy 229 CGGCGCCCTGACCGGAACCTACAGTGGCCCTCGGCAACGCCGAGAGCGGTAGCTCT 288
Db 975 CGGAGCTCTGACTGGCACCTACGAATCTGGGTTGGTAACGAGAATCCCGCTACGTACT 1034
Qy 289 GACCGGTCTTACGACAGCGCCCGCCACGACGCGAGCGCACCGCCCTCGGTGGAC 348
Db 1035 GACTGGCCGTTATGACTCTGACCTGCCACCGATGGCTCTGGTACCGCTCTGGGTGGAC 1094
Qy 349 GGTGGCTGGAAGATAACTACCGCAACGCCCACTCCGCGACCACTGGAGCGGCGAGTA 408
Db 1095 TGTGGCTTGAAAAACAATATCGTAATGCGCACAGCGCCACTAGTGGTCTGGGCAATA 1154
Qy 409 CGTCGCGCGCGCGAGGCGGAGATCAACACCCAGTGGCTGCTGACCTCGGACACCGA 468
Db 1155 CGTTGGCGGTCTGAGGCTCGTATCAACACTAGTGGCTGTTAAACATCCGCACTACCGA 1214
Qy 469 GCGCAACGCTGGAAGTCCAGCTGGTGGCGCACACACCTTACCAAGGTGAAGCCCTC 528
Db 1215 AGCGAATGATGGAATCGACACTAGTAGGTTCATGACACCTTTACCAAGTTAGCTTC 1274
Qy 529 CGCCGCTTCATCGACGCGGGAAGAGCGCGGTCAACAAACGCAACCGCTCGAGC 588
Db 1275 TGCTGTAGCATTTGATGCTGCCAAGAAAGCAGGCTAAACACGTAACCCCTTAGAGC 1334
Qy 589 CGTTCAGCAGTAGT 602
Db 1335 TGTTCAGCAATAAT 1348

RESULT 12

US-09-117-447-7
; Sequence 7, Application US/09117447
; Patent No. 6777202
; GENERAL INFORMATION:
; APPLICANT: LUBITZ, Werner
; APPLICANT: SLEITZ, Uwe
; APPLICANT: KUEN, Beatrix
; APPLICANT: TRUPPE, Michaela
; APPLICANT: HOWORKA, Stefan
; APPLICANT: RESCH, Stepanka
; APPLICANT: SCHROLL, Gerhard
; APPLICANT: SARA, Margit
; TITLE OF INVENTION: RECOMBINANT EXPRESSION OF S-LAYER PROTEINS
; FILE REFERENCE: 100564-08013
; CURRENT APPLICATION NUMBER: US/09/117,447
; CURRENT FILING DATE: 1998-12-02
; PRIOR APPLICATION NUMBER: PCT/EP97/00432
; PRIOR FILING DATE: 1997-01-31
; PRIOR APPLICATION NUMBER: DE/196 03 649.6
; PRIOR FILING DATE: 1996-02-01
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 7
; LENGTH: 498
; TYPE: DNA
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: streptavidin gene
; US-09-117-447-7

Query Match 48.1%; Score 307; DB 4; Length 498;
Best Local Similarity 76.6%; Pred. No. 7.4e-58;
Matches 376; Conservative 0; Mismatches 115; Indels 0; Gaps 0;
Qy 122 GACCCCTCCAGGACTCGAAGGCCCGAGTCTCGCGCGCCGAGCGCGCATCACCGGCACC 181
Db 7 GACCCGTCGAAGACTCCAAAGCTCAGGTTTCTGCGACCGAAGCTGGTATCATCTGCACC 66
Qy 182 TGGTACCAACAGCTCGGCTCGACTTCATCGTGAACCGGCGCCGACGCGCCCTGACC 241
Db 67 TGGTATAACCAACTGGGGTCTGACTTTTCAATGTGACCGCTGGTGGAGCGAGCTCTGACT 126
Qy 242 GGAACCTACGAGTCGGCGCGTCGGCAACCGCGAGCGGCTACGCTCTGACCGCTCGTTAC 301

127	GGCACTTACGAATCTGCGTTGGTACGCAGAAATCCCGCTACGTACTGACTGCCGTTAT	186
302	CACAGCGCCCGCGCCACCGACGGCAGCGGCACCGCCCTCGGTTGGACGGTGGCCCTGGAG	361
187	GACTCTGCACCTGCCACCGATGCTCTGTGTACCGCTCTGGCTGGACTGTGCTTTGGAA	246
362	AATAACTACCGACACGCCACTCGCGACCACTGTGAGCGGCCAGTACGTGCGCGCGCC	421
247	AACAACATCTGTAATGGCAAGCGCACACTACGTGTCTTGGCAATACGTTTGGCGGTCT	306
422	GAGCGAGGATCAACACCCACCGTGGCTGCTACACCTCCGGCACACACGAGCCCAACGCCCTGG	481
307	GAGGCTCGTATCAACACTCAGTGGCTGTTAAACATCCGGCACTACCGAAGCAATGCATGG	366
482	AAGTCCAGCTGTGTGGGCAGACACCTTCACCAAGGTGAAGCGGTCCGCGCCCTCCATC	541
367	AAATCGACACTAGTAGGTCAATGACACCTTTACCAAAAGTTAAGCCTTCTCTGCTAGCATT	426
542	GACGGCGGAAGAAGGCGCGGTCAACAAAGGCAACCCGCTGACGCGGTTTCAGCAGTAG	601
427	GATGCTGCCAAGAAGCAGGCGTAAACAACGGTAAACCTCTAGACGCTGTTTACGCAATA	486
602	TCGGTCTCCCG	612
487	TAAGGATCCGG	497

RESULT 13
US-07-924-028A-2
; Sequence 2, Application US/07924028A
; Patent No. 5470573
; GENERAL INFORMATION:
; APPLICANT: Lubitz Werner, Szostak, Michael P.
; TITLE OF INVENTION: CARRIER-BOUND RECOMBINANT PROTEINS, PROCESS
; TITLE OF INVENTION: FOR THE PRODUCTION AND USE AS IMMUNOGENS AND VACCINES
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Felfe & Lynch
; STREET: 805 Third Avenue
; CITY: New York City
; STATE: New York
; COUNTRY: USA
; ZIP: 10022

Query Match	47.9%	Score 305	DB 1	Length 525
Best Local Similarity	77.1% <td>Prod. No. 2e-57</td> <td></td> <td></td>	Prod. No. 2e-57		
Matches 371	Conservative	0	Mismatches 110	Indels 0
Gaps	0			
QY	122	GACCCCTCCAAGACTCGAAGGCCACGAGGTCCTGGCGCGCGAGGCGGCATCACGGCACC	181	
DB	37	GACCCGTCGAAGACTCCAAAGCTCAGGTTCTGCGAGCCGAAGCTGGTATCATCTGGCACC	96	
QY	182	TGGTATCAACAGCTCGGCTCGACCTTCATGTGACCGCGGCGCGACGGCCCTGACC	241	
DB	97	TGGTATCAACCAATGGGGTCGACTTTCATTTGACCGCTGGTGGGACGGAGCTCTGACT	156	
QY	242	GGAACCTTACGAGTCGGCGCGTCGGCAACGCCGAGAGCCGCTACGTCCTGACCGGTCGTTAC	301	
DB	157	GGCACTTACGAATCTCGGTTGGTAACGCAGAAATCCCGCTACGTACTGACTGGCCGTTAT	216	
QY	302	GACAGCGCCCGGCACACGACGCGACGCGACCGCTCGGTTGGACGGTGGCTCGAAG	361	
DB	217	GACTCTGCATCTCCACCGATGGCTCTGGTACCGCTCTGGCTGGACTGGGCTTGGAAA	276	
QY	362	AATAACTACGCCAACGCCCACTCCGCGACACAGCTGGAGCGGCACGTACGTCGGCGGCC	421	
DB	277	AACAACCTATCGTAATGGCACGGCCACTACGTGGTCTGGCCAAATACGTTGGCGTGCT	336	
QY	422	GAGCGAGGATCAACACCGCAGTGGCTGTGACTCTCGGCACACCGAGGCCAACGCTGG	481	
DB	337	GAGGCTCGTATCAACACTCAGTGGTGTTTAAATCCGCATACCGAAGCGAATGCATGG	396	
QY	482	AAGTCCACGCTGGTCGGCCACACACTTTCACCAAGGTGAAGCCGTCGCGCCCTCCATC	541	
DB	397	AAATCGACACTAGTAGGTATGACACTTTTACCAAGTTAAGCCCTTGTGCTGATGACAT	456	
QY	542	GACCGGGGAGAGCGCGCTCAACACGCGACCGCTCGACGCGGTTCAGCACTAG	601	
DB	457	GATGCTCCCAAGAAAGAGCGGTAAACACGCGTAACCCCTCTAGACGCTGTTTCAGCAATAA	516	
QY	602	T	602	
DB	517	T	517	

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1  RESULT 14
2  US-08-491-988-6
3  ; Sequence 6, Application US/08491988
4  ; Patent No. 5973116
5  ;
6  ; GENERAL INFORMATION:
7  ;
8  ; APPLICANT: EPENETOS, AGAMEVNON A.
9  ; APPLICANT: SPOONER, ROBERT A.
10 ; APPLICANT: DEONARAIN, MAHENDRA
11 ;
12 ; TITLE OF INVENTION: Compounds for targeting
13 ; NUMBER OF SEQUENCES: 29
14 ;
15 ; CORRESPONDENCE ADDRESS:
16 ; ADDRESSEE: WCAULAY NISSEN GOLDBERG KJEL & HAND, LLP
17 ; STREET: 261 MADISON AVENUE
18 ; CITY: NEW YORK
19 ; STATE: NY
20 ; COUNTRY: USA
21 ; ZIP: 10016-2391
22 ;
23 ; COMPUTER READABLE FORM:
24 ;
25 ; MEDIUM TYPE: Floppy disk
26 ;
27 ; COMPUTER: IBM PC compatible
28 ; OPERATING SYSTEM: PC-DOS/MS-DOS
29 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
30 ; CURRENT APPLICATION DATA:
31 ; APPLICATION NUMBER: US/08/491,988
32 ; FILING DATE: 18-DEC-1995
33 ; CLASSIFICATION: 424
34 ;
35 ; ATTORNEY/AGENT INFORMATION:
36 ; NAME: GOLDBERG, JULES E.
37 ; REGISTRATION NUMBER: 24,408
38 ; TELECOMMUNICATION INFORMATION:
39 ; TELEPHONE: 212-986-4090

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